

## Kangaroo™ 924 Feeding Pump User Manual: Section IV Cleaning

Cleaning is to be performed as required. The user will define the cleaning intervals based on their knowledge of the environment in which the pump is used. Cleaning may become necessary between intervals due to unforeseen soiling. Only personnel trained in the cleaning of medical devices shall perform cleanings.

### IMPORTANT USER INFORMATION

 **CAUTION** DO NOT IMMERSE PUMP OR POWER CORD IN WATER OR OTHER CLEANING SOLUTION; CLEAN USING A DAMP (NOT WET) CLOTH OR SPONGE. FAILURE TO FOLLOW THE CLEANING PROCEDURES DESCRIBED HEREIN COULD RESULT IN HAZARDS TO USERS. As with any A.C. powered electrical device, care must be taken to prevent liquid from entering the pump or the power cord receptacle to avoid electrical shock hazard, fire hazard, or damage to electrical components.

Should any of the following events occur, DO NOT USE the pump until it has been properly cleaned and serviced by personnel trained in servicing Kangaroo™ pumps:

- Wetting of the pump's power cord or leakage into the pump interior during cleaning.
- Spillage of large amounts of formula onto the pump exterior or any spillage on the power cord.

### GENERAL CLEANING DIRECTIONS

Cleaning of Kangaroo™ 924 enteral feeding pumps must be performed as follows:

 **CAUTION** Disconnect pump from A.C. power source before cleaning. Upon completion of cleaning, do not connect to A.C. power source until pump and power cord are thoroughly dry.

- A mild detergent should be used for general cleaning. If necessary, the pump may be cleaned with a 10:1 water and hypochlorite mixture, however, repeated cleaning with this solution can damage the plastic pump case. Isopropyl alcohol applied with a damp (not wet) cotton swab may be used for cleaning difficult-to-reach areas, such as the drip sensor and inside the A.C. receptacle; however, it should be used sparingly because repeat cleaning may damage the case.
- DO NOT USE strong cleaners such as Spray Nine™\*, pHisoHex™\*, Hibiclens™\*, or Vesta-Syde™\* because damage to the pump case housing can result.

### DIRECTIONS FOR CLEANING PUMP HOUSING

- Refer to General Cleaning Directions before starting.
- Clean outside surface with a damp (not wet) cloth or sponge and keep pump in upright position as much as possible.
- Avoid excess moisture near handle hinges.
- Avoid excess moisture near pole clamp area.

### DIRECTIONS FOR CLEANING PUMP POWER CORD

- Refer to General Cleaning Directions before starting.
- Unless soiling is observed, the power cord should not be cleaned.
- If cleaning of the power cord is necessary, wipe the exterior surfaces of the wall plug of the power cord with a cloth dampened with isopropyl alcohol.

 **CAUTION** Avoid exposing power cord to excess moisture, as this can lead to an electrical shock or fire hazard.

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## DIRECTIONS FOR CLEANING DRIP DETECTOR

- Refer to General Cleaning Directions before starting.
- Clean the drip sensors in the upper drip chamber guide with a cotton swab dampened with isopropyl alcohol.
- Be sure sensor areas are clear.

## DIRECTIONS FOR CLEANING OPTIX LOCK

- Refer to General Cleaning Directions before starting.
- Clean lens in the OPTIX lock area with a cotton swab dampened with isopropyl alcohol.
- Be sure sensor areas of the lens are clear.
- Avoid using abrasive cleaners to prevent scratching/damaging the lens.

## DIRECTIONS FOR CLEANING ROTOR ASSEMBLY

- Refer to General Cleaning Directions before starting.
- Loosen rotor set screw with a 5/64" (2 mm) allen wrench and gently pull rotor forward off shaft. After removing rotor, avoid getting any moisture in the rotor shaft opening.
- Clean rollers thoroughly with warm soapy water, or isopropyl alcohol if necessary.
- Be sure all parts of rotor are completely dry before putting it back onto shaft.
- To replace rotor, align set screw on hub of rotor with the flattened section of the output shaft.
- Push rotor into place and tighten set screw (do not over tighten).

## PREVENTIVE MAINTENANCE

This pump must be periodically serviced to assure proper functioning and safety. The recommended service interval is six (6) months, but in no case less than once each twelve (12) months. Servicing must be performed by personnel trained in servicing Kangaroo™ enteral feeding pumps and may be done at the user's biomedical engineering department, an outside service, or by Covidien Factory Service. To arrange for Covidien Factory Service, call 1-800-448-0190 in the U.S. or contact your local customer service center.

The Kangaroo™ 924 enteral feeding pump contains no user serviceable parts. User maintenance consists of cleaning the exterior of the pump as stated in the cleaning section of this manual. All other maintenance is to be performed by the user's appropriately qualified technical personnel.

TM \*Spray Nine is a trademark of Spray Nine Corp.

TM \*pHisoHex is a trademark of The Mentholatum Co.

TM \*Hibicilens is a trademark of Regent Medical Ltd.

TM \*Vesta-Syde is a trademark of Steris Inc.



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